

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 122 (SECURITY BOULEVARD) AND BELMONT AVENUE/ENTRANCE TO SECURITY SQUARE MALL IN BALTIMORE COUNTY, MARYLAND. MD 122 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN THE SAME.

AN ALTERNATE PEDESTRIAN PHASE WILL BE PROVIDED ACROSS THE WEST LEG OF MD 122 AND COUNTDOWN PEDESTRIAN INDICATIONS WILL BE PROVIDED ACROSS BELMONT AVENUE AND ENTRANCE TO SECURITY SQUARE MALL.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

APS NOTES

APS WILL FUNCTION AS FOLLOWS:

- MD 122 (SECURITY BOULEVARD)
 - WHEN PEDESTRIAN LOCATES AND PRESSES PUSHBUTTON FOR AN EXTENDED TIME, THE MESSAGE WILL BE "WAIT TO CROSS SECURITY BOULEVARD".
 - WHEN WALK PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.
- BELMONT AVENUE
 - WHEN PEDESTRIAN LOCATES AND PRESSES PUSHBUTTON FOR AN EXTENDED TIME, THE MESSAGE WILL BE "WAIT TO CROSS BELMONT AVENUE".
 - WHEN WALK PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.
- SECURITY SQUARE MALL
 - WHEN PEDESTRIAN LOCATES AND PRESSES PUSHBUTTON FOR AN EXTENDED TIME, THE MESSAGE WILL BE "WAIT TO CROSS SECURITY SQUARE MALL".
 - WHEN WALK PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9571	6 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF : <ul style="list-style-type: none">2 EACH R10-3(1) SIGN (9 IN. x 15 IN.) TO READ "PUSHBUTTON TO CROSS SECURITY BOULEVARD"2 EACH R10-3(1) SIGN (9 IN. x 15 IN.) TO READ "PUSHBUTTON TO CROSS BELMONT AVENUE"2 EACH R10-3(1) SIGN (9 IN. x 15 IN.) TO READ "PUSHBUTTON TO CROSS SECURITY SQUARE MALL"

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
5005	590 L.F.	12 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
5006	300 L.F.	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH
6003	20 S.F.	5 INCH CONCRETE SIDEWALK
8001	5 C.Y.	CONCRETE FOR SIGNAL FOUNDATION
8002	6 EACH	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON
8003	5 EACH	BREAKWAY PEDESTAL POLE (ANY SIZE)
8004	6 EACH	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL
8005	6 EACH	PEDESTRIAN EDUCATION SIGN
8006	1 EACH	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT
8007	100 L.F.	NO. 6 A.W.G. STRANDED BARE COPPER GROUND WIRE
8008	80 L.F.	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8010	8 S.F.	RELOCATE EXISTING GROUND MOUNTED SIGNS AND SUPPORT
8011	5 EACH	GROUND ROD - 3/4 INCH DIAMETER x 10 FOOT LENGTH
8012	2 EACH	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE
8013	1160 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 A.W.G.)
8014	1200 L.F.	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 A.W.G.)
NEG.	5 EACH	TEST PIT EXCAVATION
NEG.	2890 L.F.	LOOP WIRE ENCASED IN 1/4 INCH FLEXIBLE TUBING (NO. 14 A.W.G.)
NEG.	725 L.F.	SAW CUT FOR SIGNAL (LOOP DETECTOR)
NEG.	6 S.F.	INSTALL OVERHEAD SIGN
NEG.	1 EACH	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON BASE UNIT
NEG.	2 EACH	REMOVAL OF EXISTING PAVEMENT MARKING LETTERS, SYMBOLS, ARROWS AND NUMBERS
NEG.	180 L.F.	24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
NEG.	1 EACH	ADJUST EXISTING HANDHOLE TO GRADE INCLUDING COLLAR
NEG.	60 L.F.	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
NEG.	105 L.F.	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
NEG.	40 L.F.	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR WIRE SLEEVE

EQUIPMENT LIST "C"

NO EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT. ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER.

STANDARD NO. MD-104.04-01 (SHOULDER WORK)	STANDARD NO. MD-104.04-13 (LEFT TURN BAY CLOSURE)
STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE)	STANDARD NO. MD-104.04-15 (INTERSECTION LEFT LANE, TURN BAY)
STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE)	
STANDARD NO. MD-104.04-07 (CENTER LANE CLOSURE)	

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

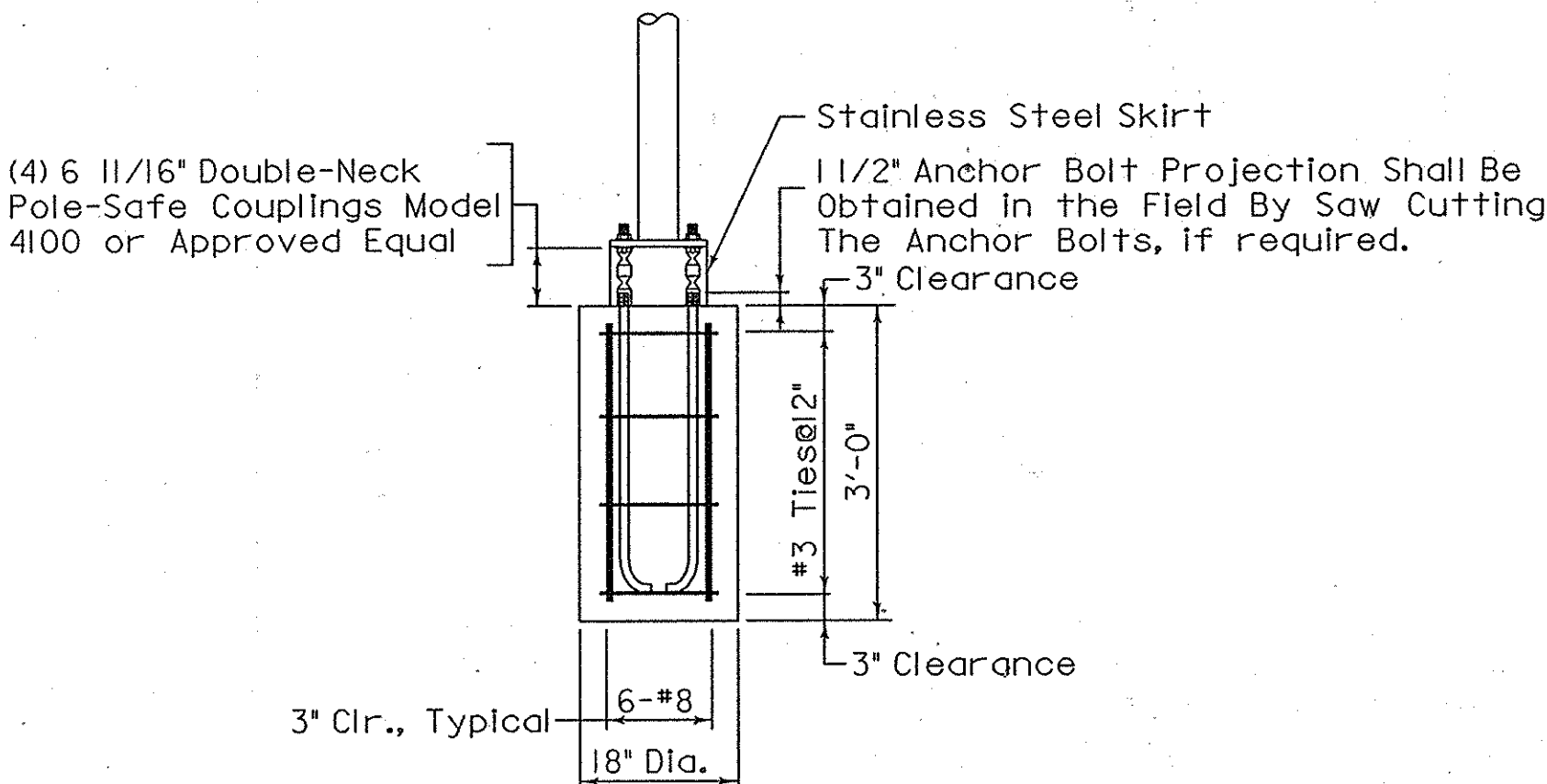
MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 321-2781/2785

MS. ERIN KUHN
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-2761

MR. MIKE PASQUARIELLO
ASST. DISTRICT UTILITY ENGINEER
PHONE: (410) 321-2841

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

MODIFIED PEDESTAL POLE FOUNDATION



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 122 (Security Boulevard) and
Belmont Avenue/Entrance to Security Square Mall

GENERAL INFORMATION SHEET

SCALE NONE DATE 9/11/2007 CONTRACT NO. AX1795133

DESIGNED BY S. Bloss COUNTY Baltimore
DRAWN BY S. Bloss LOGMILE 03012200.27
CHECKED BY N. Leary TMS NO. D670
FAP NO. TOD NO.

TS NO. 3457D DRAWING - OF SHEET NO. 3 OF 3



Whitman, Requardt and Associates, LLP
Engineers, Architects and Planners

801 South Caroline Street
Baltimore, Maryland 21231
410-233-3450